MASTER

SPEAKER SYSTEM

OPERATING GUIDE

# S-Z91D

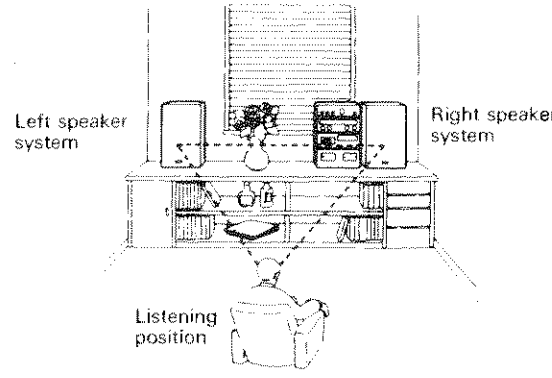
PIONEER

## BEFORE USE

- Please read this operating guide through before using your speaker system so you will know how to make the most of its performance. After you have finished reading the operating guide, store the guide in a safe place. You will then know where it is, should you wish to refer to it if something is unclear while the speaker system is being used.
- The nominal impedance of this speaker system is 6 ohms. Connect the speaker system to a stereo amplifier with a load impedance ranging from 4 to 16 ohms (a model with "4 — 16 Ω" displayed on the speaker output terminals).
- In order to prevent damage to the speaker system resulting from input overload, please observe the following precautions:
- Do not supply power to the speaker system in excess of the maximum permissible input.
- When connecting or disconnecting pin-plugs, be sure amplifier power is OFF.
- When using a graphic equalizer to emphasize loud sounds over a high frequency range, do not use excessive amplifier volume.
- Do not try to force a low-powered amplifier to produce loud volumes of sound (the amplifier's harmonic distortion will be increased, and you may damage the tweeter).
- Do not touch the speaker cones' reverberating surfaces as they may be damaged by external force.
- When using a personal computer with audio capability, high frequency signals tend to be overly strong. Therefore, attenuate high frequencies or use at low volume levels.

## INSTALLATION

- These speaker systems are magnetically shielded. However, depending on the installation location, color distortion may occur if the speakers are installed extremely close to the screen of a television set or monitor. In this event separate the speakers farther from the television screen.
- This speaker system includes speakers meant for installation on the right, and those for the left side. On the back of the speakers can be found an L (left) or R (right) indicating the side on which the speaker is to be used. Viewed from the listening position, place the L speaker on the left, and the R speaker on the right side (there may be cases where room conditions may result in better results from reversing the installation positions).
- The ideal listening position is at or slightly beyond the apex of an imaginary equilateral triangle with the speaker system forming the base line.



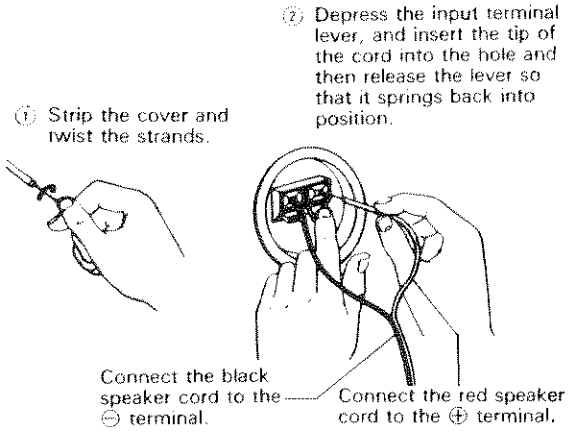

- This speaker system is designed as a book-shelf type. When it is installed directly on the floor, reflected sound from the floor surface may be increased, increasing the bass and possibly making the sound unpleasant to listen to. In this case, mount the speaker system on a stand or concrete block to raise it above floor level. In general, best results will be obtained if the speaker system is installed so that the tweeters are on approximately the same level as the listener's ears.

## INSTALLATION PRECAUTIONS

- Do not install this speaker system near a stove or other heating appliance, and do not put it in a place exposed to the sun. Locations like these may cause the cabinet to change color and the speaker system to break down.
- Remember that this speaker system is quite heavy, so it is dangerous to install it in a high place like on a wall or pillar or in other unstable locations.

# CONNECTIONS

1. Set the amplifier's power switch to OFF.
2. Connect the accessory speaker cords to the input terminals at the rear of the speaker system; connect the red cord to the ⊕ terminal and the black cord to the ⊖ terminal. Bear in mind that the red input terminal has a "+" polarity, and the other terminal has a "−" polarity.
3. Connect the speaker cords to the amplifier's speaker output terminals. Connect the red cord to the ⊕ terminal and the black cord to the ⊖ terminal.


② Depress the input terminal lever, and insert the tip of the cord into the hole and then release the lever so that it springs back into position.
① Strip the cover and twist the strands.
Connect the black speaker cord to the ⊖ terminal.
Connect the red speaker cord to the ⊕ terminal.

*NOTES:*

- *Make sure that the speaker cords are connected to the terminals securely. Insecure connections may cause not only sound to be interrupted and noise to be generated but also the cords to be shorted and the amplifier to break down.*
- *When listening to a stereo performance with the speaker system connected to a stereo amplifier, you will find that the bass is insufficient, the sound is not spread out and there is no stereo effect if the cords of one of the speaker systems have been plugged into the wrong polarity terminals.*
- *Viewed from the front, connect the right-side speaker system to the right channel (R) of amplifier's speaker output terminals, and the left-side speaker system to the left channel (L).*

# CABINET MAINTENANCE

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the cabinet is very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays and other chemicals on or near the cabinets, since these will corrode the surfaces.

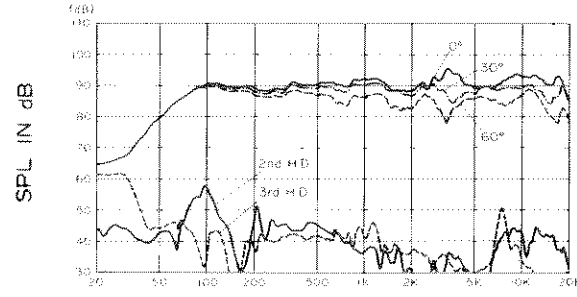
# SPECIFICATIONS

| | |
|---|---|
| Enclosure | Book-shelf style, Bass-reflex type |
| System | 3-way, 3-speaker system |
| Loudspeakers: | |
| Woofer | 23 cm (9 in) cone type |
| Mid range | 2.5 cm (1 in) dome type |
| Tweeter | 1.8 cm (3/4 in) dome type |
| Nominal Impedance | 6 Ω |
| Frequency Range | 45 to 20,000 Hz |
| Sensitivity | 91 dB/W at 1 m distance |
| Maximum Power | 90 W |
| External Dimentions | 284(W) × 507(H) × 229(D) mm |
| | 11-3/16(W) × 19-31/32(H) × 9(D) in |
| Weight | 7 kg/15 lb 7 oz (each one) |
| Accessory Parts | Operating Guide × 1 |
| | Speaker Cord × 2 |

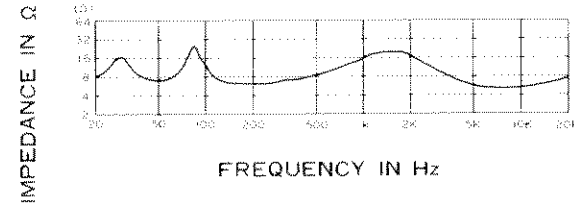
*NOTE:*

*Specifications and design subject to possible modification without notice, due to improvements.*

## FREQUENCY RESPONSE AND HARMONIC DISTORTION




## IMPEDANCE

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